

Automated Tropical Cyclone Forecast System

(ATCF)

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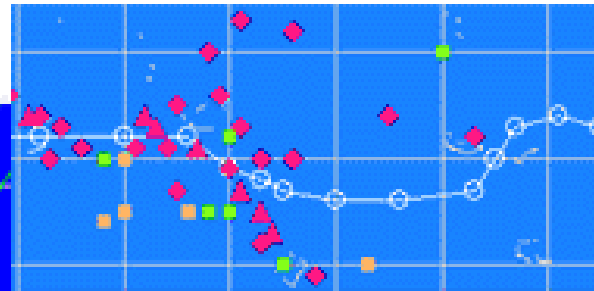
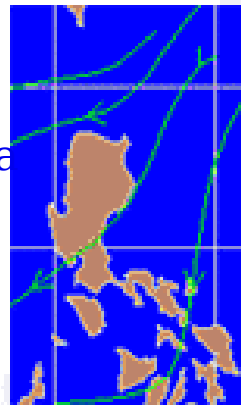
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ATCF

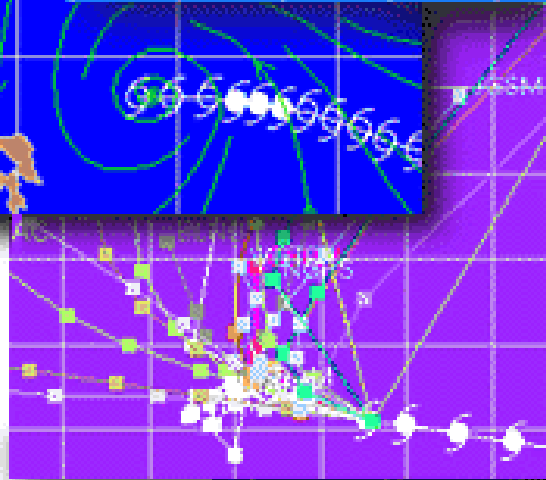
ice automation tool customized for use in tc forecasting

Grid Field
and Raw Data
Display



Fix Entry and Display

Objective Aid
Computation and
Display



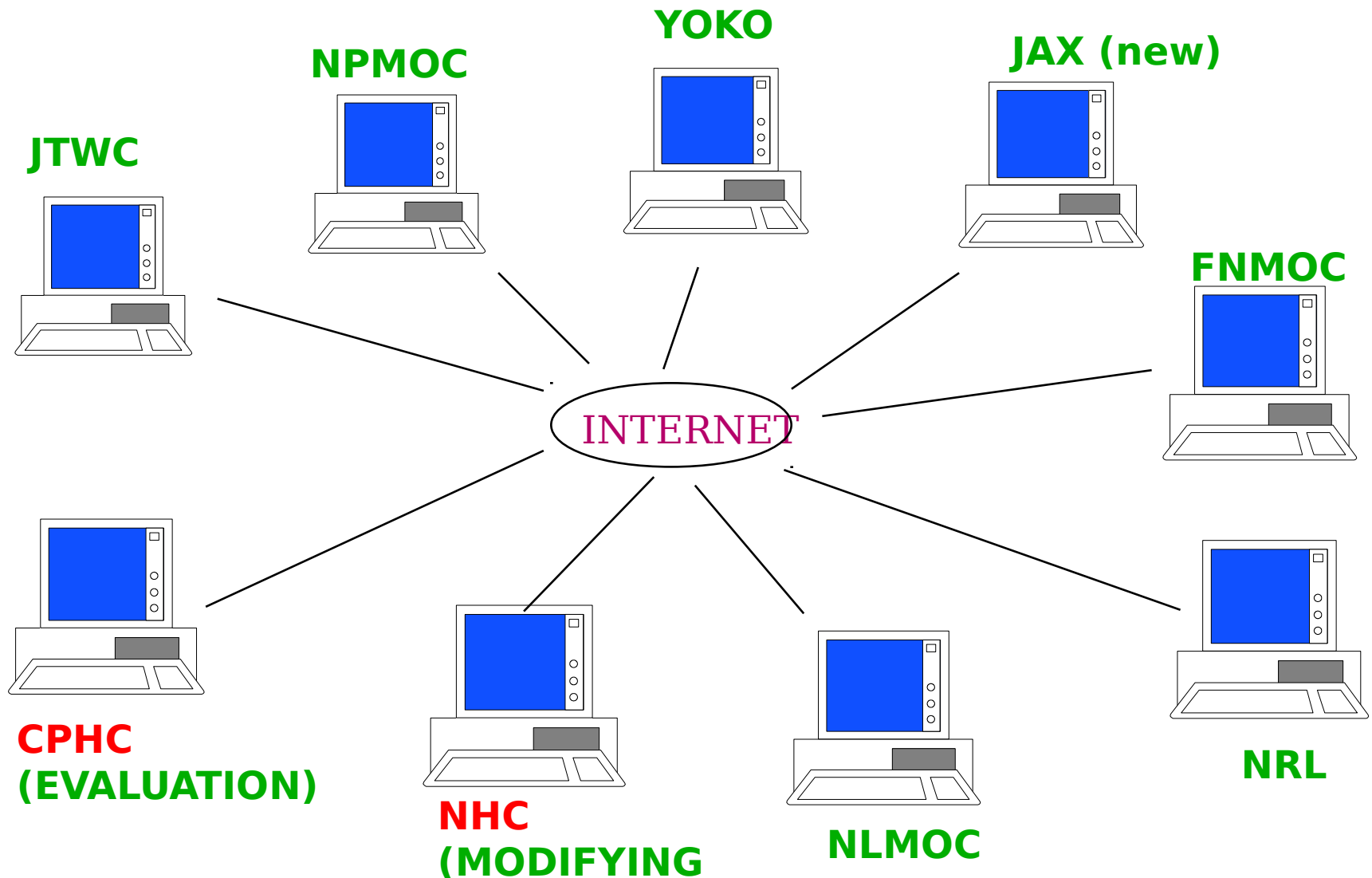
Forecast and Warning
Generation



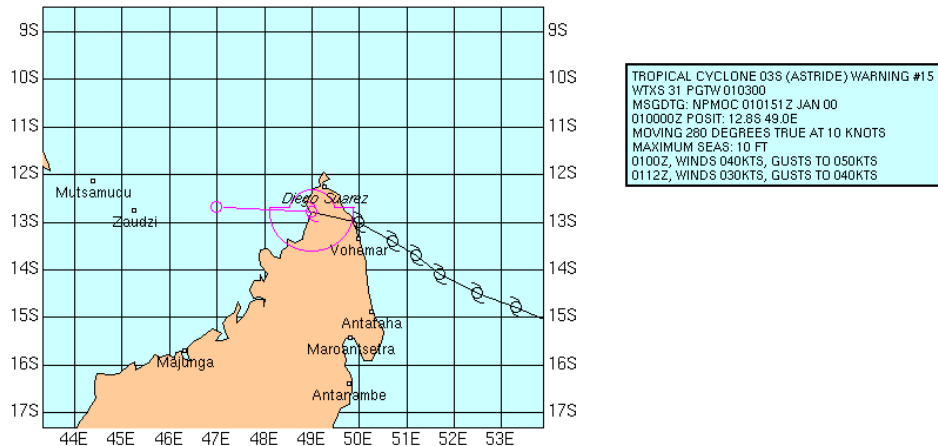
Operational Users and Support Agencies

(UNIX VERSION)

(DOS VERSION)



Y2K Success

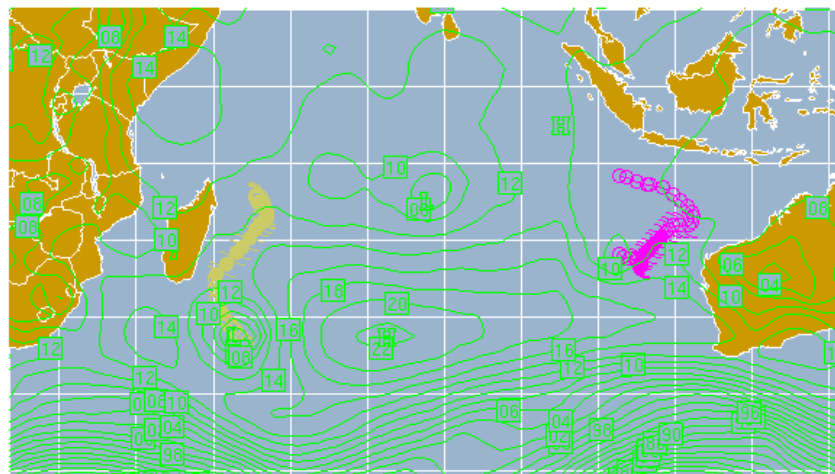


- JTWC warned on 03S through Y2K
- Minor Problem (3 hour delay) running aids

GFDN Model Data Ingest and Display

— SFC PRS GFDN (MBS)

12HR FCST VALID 01FEB00 1800Z

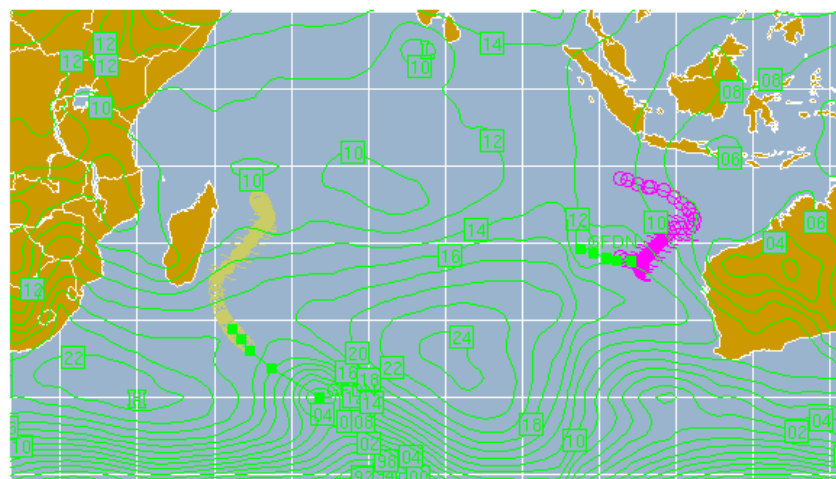


CONNIE

KIRRILY

— SFC PRS GFDN (MBS)

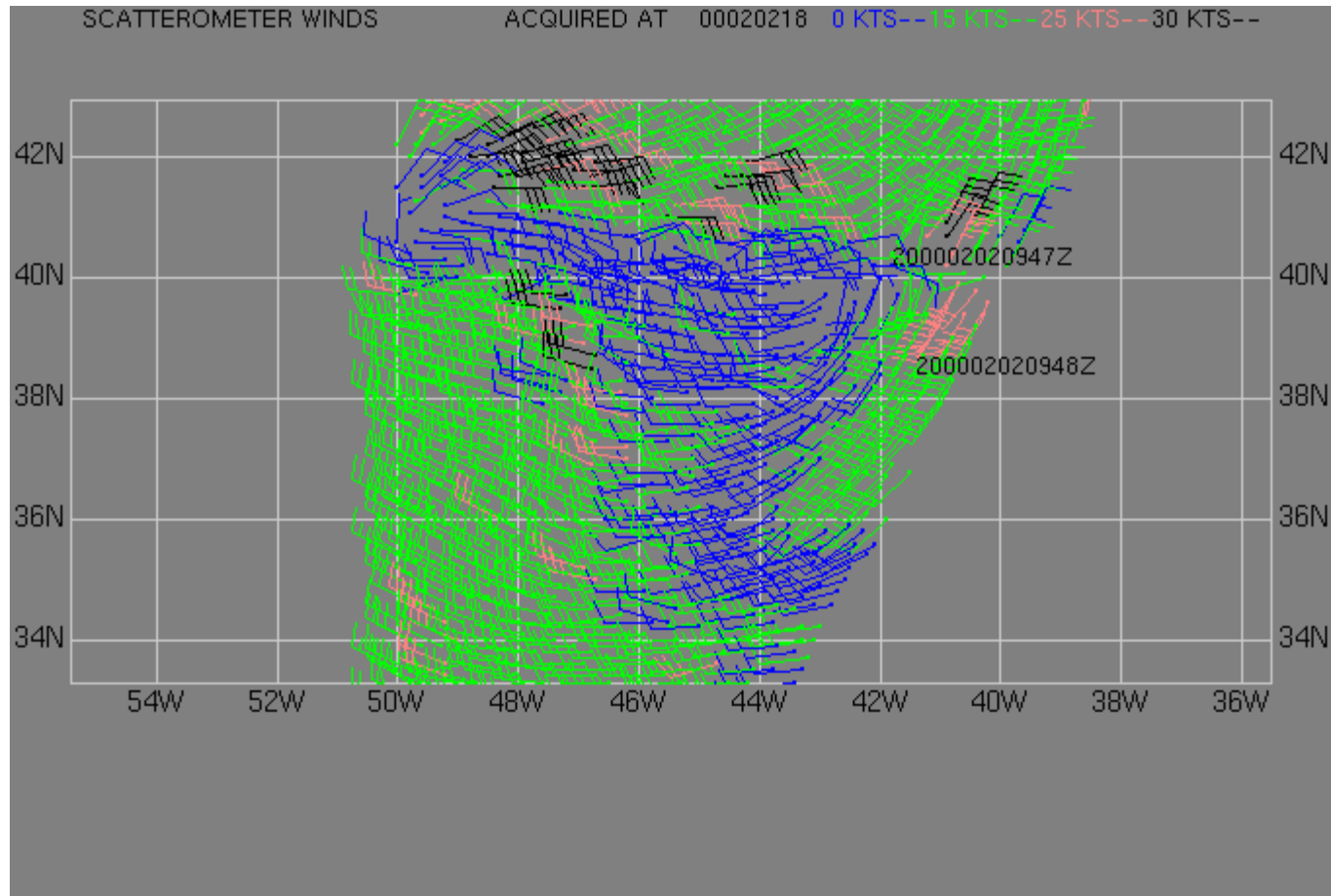
48HR FCST VALID 03FEB00 0600Z



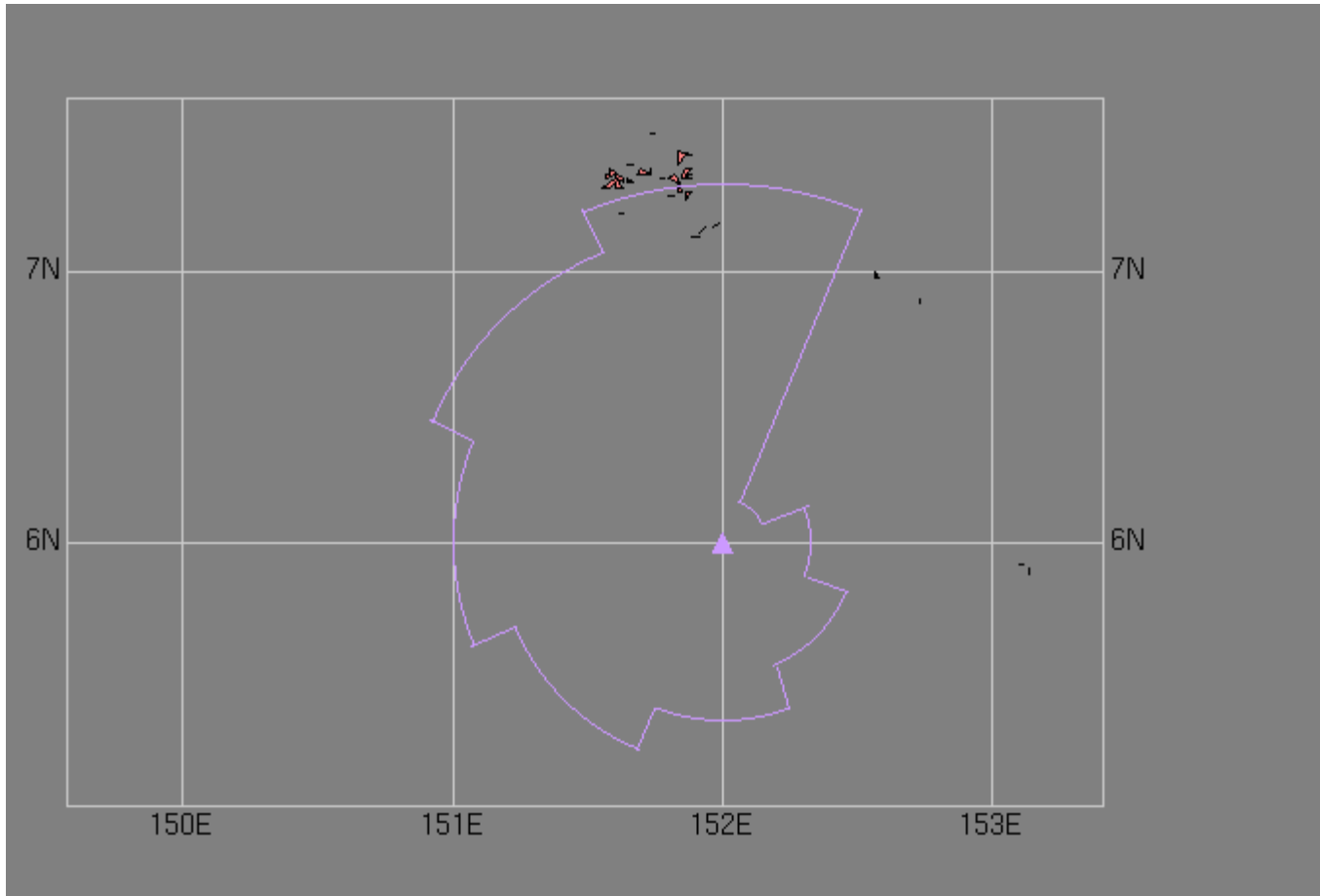
CONNIE

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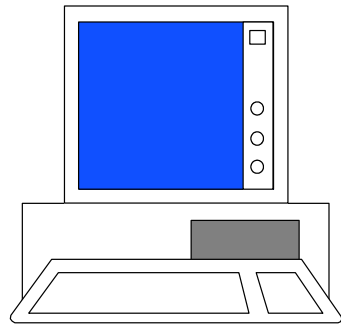
QuickScat Ingest and Display



Scatterometer Wind Radii

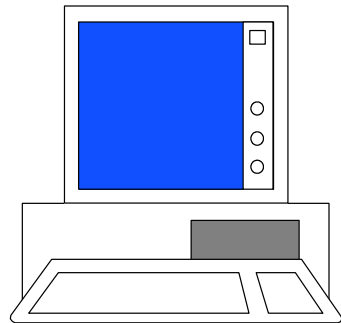


JMV as ATCFjr Replacement



ATCF

(TCW Files)

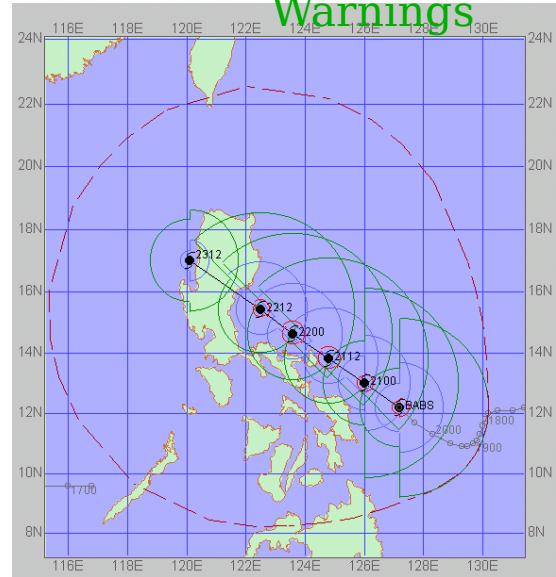


JMV Server

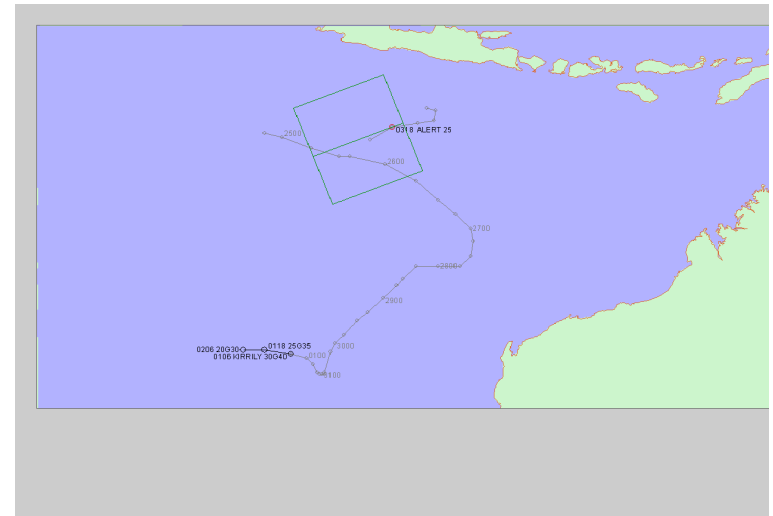
M
E
T
C
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S
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JMV Client

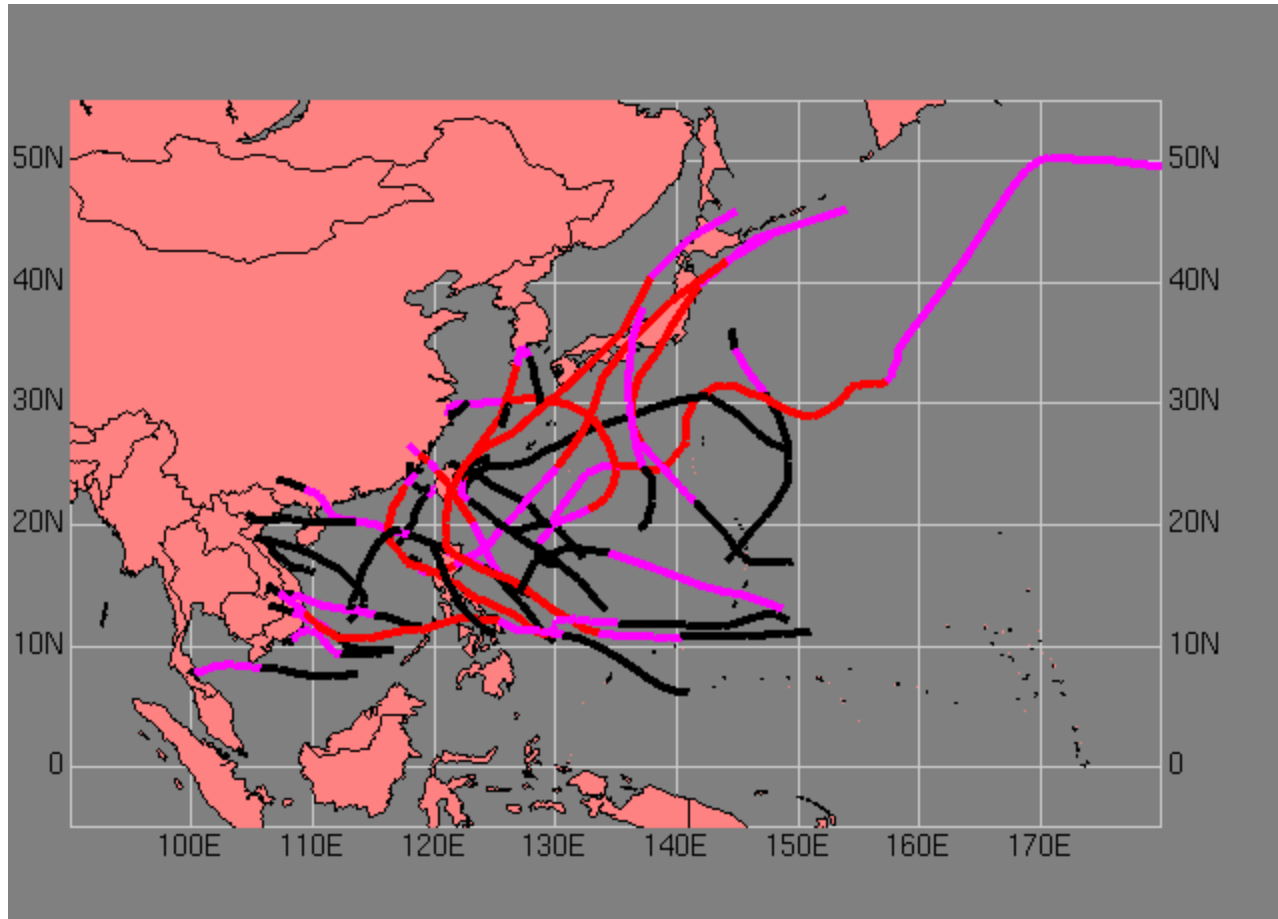
TC
Warnings



Formation Alerts



Publication Plots



1998 Western North Pacific Season

ATCF Takes Cooperation

Operational TC Forecasters: Levy requirements, T&E

NHC and CPHC: Reformatted warnings, transfer of responsibility

FNMOC: Objective aids, grids, synthetic obs back into NOGAPS, etc.

AFWA: Fix and track data transfer

NRL Sat Group: TC Web page production

JMV Group: ATCFjr replacement, code sharing

NPS: SAFA development

FNMOC/NRL Models: Objective aid evaluation

SPAWAR: TEDS database development, hardware, funding

MAJOR REQUIREMENTS / RELEASE

- Bug fixes, support ongoing
- JMA field data 3.3+
- COAMPS tracks 3.3+
- Synoptic reports 3.3+
- Year end charts 3.3+
- NHC tailored dialogs 3.4
- Quikscat ingest 3.4
- Improved scat display 3.4
- Special scat fix entry 3.4
- GFDN field data 3.4
- Plotter capability 3.4
- 120 hr WP CLIPER 3.4
- Fix statistics upgrade 3.4
- SH Cliper FY 00/01
- HURISK FY 00
- NHC advisories FY 00
- Improved data retrieval FY 00
- SSM/I and TRMM data FY 00
- Vis/IR Imagery FY 00/01
- Isotach color fill FY 00
- Auto-ingest of fixes/aids FY 00
- MM5, COAMPS grids FY 00
- User defined danger area ?
- Realistic geography ?
- Interactive TC Climo ?
- Statistics plots ?
- NITES/METCAST ?
- PC Version ?
- Strike probability plots ?

JTWC

SPAWAR

NLMOC, JAX

ATCF Installation Schedule

Date	Description
JAN 00	C200 to JTWC
APR 00	ATCF 3.4 to JTWC
APR 00	ATCF 3.4 to YOKO, NLMOC
MAY 00	ATCF 3.4 to JAX, FNMOC, NRL
Spring 00	ATCF 3.4 to NHC for developme